Panasonic
ideas for life

65-inch TH-65VX300ER
1080p Full-HD Plasma Display

VX300 Series Display —

Our Latest Display Technology for Unbelievable Lifelike Images

Main Features

1 | A professional-grade engine for high-quality 2D and 3D images.

2 | Customisable functionality for displaying any content in any environment.

3 | A luxurious design that is ideal for home cinema rooms.

An imaging engine with professional specs for high-quality 2D and 3D images.

This Professional-grade engine faithfully reproduces vividly colourful images

The professional specifications of this imaging engine increase the signal processing level for each pixel from the conventional 20 bits to 30 bits. All of the chrominance and brightness signals from the image source retain their natural beauty, for stunningly smooth, corner-to-corner colour reproduction.

Bi-level drive technology* smoothly displays dark areas

Improving the luminous efficiency of the panel has achieved steady illumination even with a small electrical discharge. By reducing the minimum unit of brightness per flash by 1/2 compared to previous panels, this makes it possible to display finer gradation steps. Smoother tonal expression is gained in dark areas thanks to a total of 12,288 steps, twice the number of our conventional models. (compared with the VX100 Series).

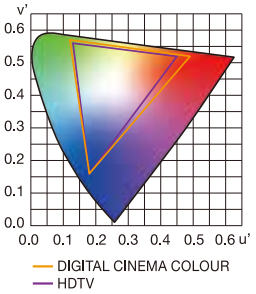
* Valid for Cinema mode and Monitor mode.

• Conventional

• VX300 Series

The Wide colour gamut panel reproduces original movie colours

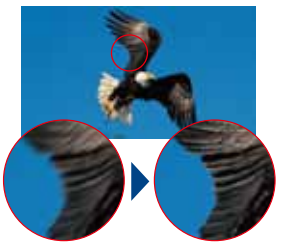
The wide colour gamut approaches the digital cinema range to enable extremely fine colour rendering that was simply not possible with conventional panels. You can also select from various colour gamut types (DIGITAL CINEMA COLOUR / HDTV / EBU / SMPTE-C / CUSTOM / NATIVE).



High moving picture resolution clearly displays fast action

Phosphor improvements have boosted the motion display performance approximately 1.5 times* over conventional models, making images such as those in sports scenes and action movies crisp and clear.

* Compared with previous VX100 Series models of the same size.



• Conventional Image　• VX300 Series Image

Clear 3D images with virtually no double images

Pursuit of even faster panel response in VX300 Series plasma displays led to phosphor improvements and original lighting controls that deliver clear 3D images with virtually no double images (crosstalk). This creates 3D images that are so realistic, it almost feels like you are standing in the middle of the scene.

A Customise function for creating uniquely special images.

Process image with external scaler mode

With this advanced function, you can process images exactly the way you want them. It lets you convert the image with an external scaler instead of using the display's built-in scaler.

Easily save preferred settings with Picture profile

The Picture profile function lets you save images that you've customised with the colours and preferences you want for each type of content you watch on your home theatre. You can create, name , and store 16 different combinations of user adjustments from the menu, "images" with "settings".

Customise your system SLOT2.0

Greater display convenience and system flexibility are gained with standard HD-SDI and DVI-D terminals (optional) compliant network function.

SLOT 2.0

And more features

- Web browser control
- Blue only mode
- LAN control
- RGB cut off/Mono mode
- Wave form monitor

TH-65VX300ER Specification

Product Fiche

Manufacturer		Panasonic Corporation
Model No.		TH-65VX300ER
Energy efficiency class		D
Visible screen size (diagonal)		165 cm/65 inches
On mode average power consumption		390 W
Annual energy consumption*		569 kWh
Standby power consumption		0.50 W
Off mode power consumption		0.30 W
Display resolution		1,920 (W) x 1,080 (H)

* Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the televisions is used.

Display	Aspect Ratio	16:9
	Effective Display Area (W x H)	1,434 x 806 mm
	Pixel Pitch (H x V)	0.747 x 0.747 mm
	Contrast Ratio*1	5,000,000:1
	Gradation	12,288 steps (equivalent)
	Full HD Moving Picture Resolution Speed*2	1,200 pixels per second
	Moving Picture Resolution*3	1,080 lines
	Panel Life*4	Approx. 100,000 hours
	FULL HD 3D*5	FULL HD 3D Ready
Connection Terminal	VIDEO IN/AUDIO IN (L/R)	N/A
	COMPONENT/RGB IN/AUDIO IN (L/R)	BNC x 3/RCA pin Jack x 1 set
	HDMI IN	HDMI TYPE A x 2
	DVI-D IN/AUDIO IN (L/R)	N/A
	PC IN/AUDIO IN (L/R)	D-sub 15-pin x 1/M3 Jack x 1 (Common terminal with DVI-D IN)
Control Terminal	LAN	RJ45 10BASE-T/100BASE-TX, Compatible with PJLink™
	Serial	D-Sub 9-pin x 1, RS-232C Compatible
	3D Shutter Out	M3 Jack x 1 (For 3D IR Transmitter)
	DC 8V Out for 3D IR Transmitter	Centre Plus for EIAJ 4 mm Plug
Function Slot	SLOT2.0	Yes
Electrical	Power Requirements	220 - 240 V AC, 50/60 Hz
	Power Consumption	450 W
	Stand-by Condition	Save ON 0.5 W, Save OFF 0.8 W
Sound	Speaker Out	8 Ω, 20 W [10 W + 10 W] (10 % THD)
Mechanical	Dimensions (W x H x D)	1,554 x 924 x 94 mm
	Weight (Approx.)	60 kg
	Cabinet Colour	Black
Operating Environment	Temperature	0 ℃ to 40 ℃
	Humidity (Non Condensation)	20 % to 80 %
	Altitude	0 to 2,800 m

A luxurious design that is ideal for home cinema rooms.

The lush aluminum hairline finish matches virtually any room interior.

Peripheral Equipment, Special Installation Options

3D IR Transmitter
TY-3D30TRW

3D-Compatible Dual HD-SDI Terminal Board:
TY-FB30DHD3D

Pedestal
TY-ST65VX300

3D-Compatible Dual DVI-D Terminal Board:
TY-FB30DD3D

Wall-Hanging Bracket
TY-WK65PR20

Various terminal boards and 3D Eyewear are also available.

*1: The dark-room contrast ratio of the panel unit that can be displayed simultaneously on the same screen. Measured in "Dynamic" picture mode using a white signal in a 4% window.
*2: This is a new motion-images performance index that was announced by the Advanced PDP Display Development Centre Corporation (APDC) on January 27, 2011, as an advanced version of the conventional moving-picture resolution index. It expresses the ability to display motion images in Full-HD resolution based on the speed at which an image moves (the number of pixels that move per second).
*3: According to the method of measuring moving-picture resolution to indicate motion-image display performance that was developed by the Advanced PDP Development Centre Corporation (APDC).
*4: Guideline operating hours before the panel brightness is reduced to half when the panel is used to display motion pictures in the Standard mode. Afterimages (burned-in images) and malfunctions are not taken into consideration.
*5: An optional 3D IR Transmitter and 3D Eyewear are required for viewing 3D images.
*NANODRIFT is a trademark of Panasonic Corporation.

Screen pictures are simulated.
Design and specifications are subject to change without notice.
As of October 1, 2011.
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